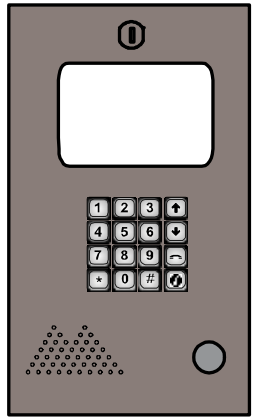
Mircom™

TX3 Series

TELEPHONE ACCESS SYSTEMS



Configurator Quick Start

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Mircom Configurator Software Guide v.2.2 for Windows 2000/NT/XP®.

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Introducing the Configurator Software

The Mircom Configurator Software is part of the Mircom suite of products that provide building ready monitoring, control and software management solutions for use in the residential market.

The Configurator is a user friendly graphical application that lets you add and update the tenant registry and setup telephone access. Telephone access can be easily configured as an autodialer controller (ADC) or as a no subscriber line (NSL) system.

Note: **Mircom periodically updates panel firmware and Configurator Software to add features and correct any minor inconsistencies. For information about the latest firmware or software visit the Mircom website at www.mircom.com.**

About This Manual

This manual provides basic information on the use of the Configurator Software for the purposes of adding and updating the tenant profiles.

This guide assumes that all TX3 system components are setup and operational. It is organized so that tasks are performed in the order in which they need to be performed to add a list of residents to a panel.

This manual explains how you:

- connect to the entry panel using a direct USB connection or a remote modem connection.
- access a panel
- add residents to the panel database
- establish telephone access

Additional Documentation

For additional documentation, see the following Mircom literature:

- TX3 Telephone Access Programming Manual LT-979.
- TX3 Telephone/Card Access System Installation and Operation Manual LT-969.
- TX3-CX Card Access System Installation and Operation Manual LT-980.
- TX3 Configuration and Administration Guide LT-995

Installing the Software

This document introduces the system and presents the basic requirements for configuration.

Press F1 at any time when using the software for more detailed information.

To install the Configurator Software

1. Insert the installation CD or USB flash drive into the computer and run setup.exe. The Configurator Server Setup Wizard appears.

2. Follow the instructions. Once installed, the TX3 Configurator icon appears on the desktop.

3. Click the TX3 Configurator icon and wait until the User Login window appears.

4. Enter your password to log in to the system and click `OK` (The default password is blank). The Main Window appears. You are now ready to begin configuration. To facilitate configuration, the previous session displays whenever you log in.

Note: The panel address (ID) in the software must match the address setting on the panel. Check the SW1 DIP switch settings on the main board of the Telephone Access panel you are connected to (SW2 for Card Access). Refer to the TX3 Installation and Operation Manual for the DIP switch settings.

Connecting Using the USB

The USB is a direct connection from your computer to the entry panel.

To connect to the USB

1. Connect the USB of your PC to the USB connector on the TX3 Entry Panel board.

2. Click `Network`. The Network Configuration window appears.

3. Select `USB` from the PC connection list. The connection automatically establishes and no settings are required.

4. Click `Advanced`. The Advanced Network Setup window appears. The settings are the same as in step 6 of “Connecting Using a Modem”.

5. Click on the “Connect” icon on the top picture menu to connect. It will give you a connected message in green. If a connection was not made, a red error message displays. Check your panel and network settings if the connection fails.

6. When finished adding, editing and deleting within the job file select the “Send” icon on the top picture menu to send the job to the panels or download the configuration to the entry panel.

7. See Opening and Creating a Job File on page 12.

Connecting Through TCP/IP

If your TX3 system is connected to an ethernet TCP/IP network, you can connect to the system using a TCP/IP connection.

In order for the TX3 system to be connected through TCP/IP, the following ports must be available:

Touch Screens:

- 8080

Non-Touch Screens:

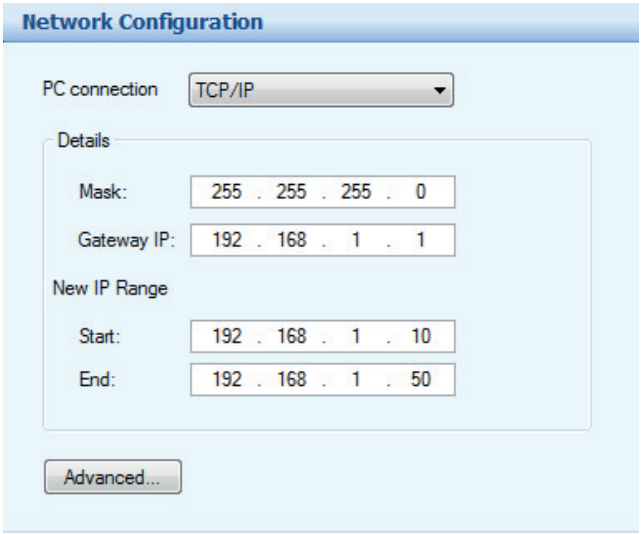
- 14000
- 14001
- 14002
- 14003

If you are having problems communicating through TCP/IP, make sure that no other programs are using ports 8080 or 14000 to 14003.

To establish a TCP/IP connection

1. Connect your PC to the ethernet TCP/IP network.

2. Click `Network`. The Network Configuration window appears.



3. Select `TCP/IP` from the PC connection list. The connection automatically establishes and no settings are required.

4. Click `Advanced`. The Advanced Network Setup window appears. The settings are the same as in step 6 of “Connecting Using a Modem”.

5. Click on the “Connect” icon on the top picture menu to connect. It will give you a connected message in green. If a connection was not made, a red error message displays. Check your panel and network settings if the connection fails.

6. When finished adding, editing and deleting within the job file select the “Send” icon on the top picture menu to send the job to the panels or download the configuration to the entry panel.

7. See Opening and Creating a Job File on page 12.

Connecting Using a Modem

The modem on the entry panel lets you establish a connection from your computer to the entry panel using the telephone network.

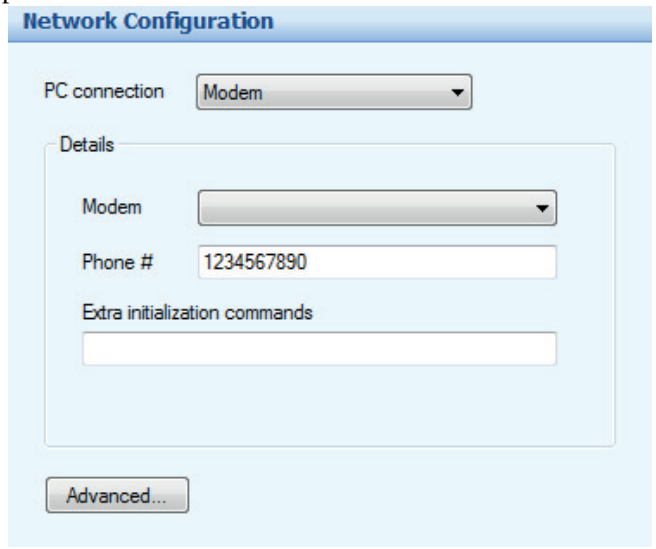
To establish a modem connection

1. Connect the dedicated telephone line at the Entry Panel to one of the telephone jack connectors on the TX3-MDM Modem board.

2. Connect the modem on your PC to a standard telephone line.

3. Click `Network`. The Network Configuration window appears.

4. Select `Modem` from the PC connection list. The Modem window appears.



5. Enter the required parameters as explained below:

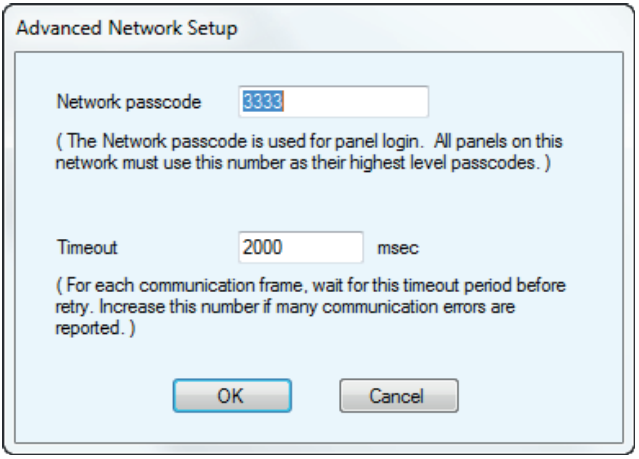
   Modem. Select a modem currently configured into the PC.

Note: The TX3 system is compatible with the TrendNet TFM-560U High Speed USB 2.0 Fax Modem, the Hiro H50113 56K V.92 USB Fax Modem, and the StarTech USB56KEM2 56k V.92 USB Fax Modem.

Phone #. Provide a telephone number to dial.

Extra initialization commands. Provide any extra modem initialization commands. The characters "AT" are automatically added before the initialization commands.

6. Click `Advanced`. The Advanced Network Setup window appears.


Advanced Network Setup
Network passcode
3333
(The Network passcode is used for panel login. All panels on this network must use this number as their highest level passcodes.)
Timeout
2000
msec
(For each communication frame, wait for this timeout period before retry. Increase this number if many communication errors are reported.)
OK
Cancel

7. Enter the required parameters as explained below:

Network passcode. The network passcode is used for logging into each panel. All panels on the network must use this passcode as their highest level passcodes.

Timeout. The timeout is the time the software will wait for each panel to respond to a communication command. Increasing this value may help when there are many communication errors.

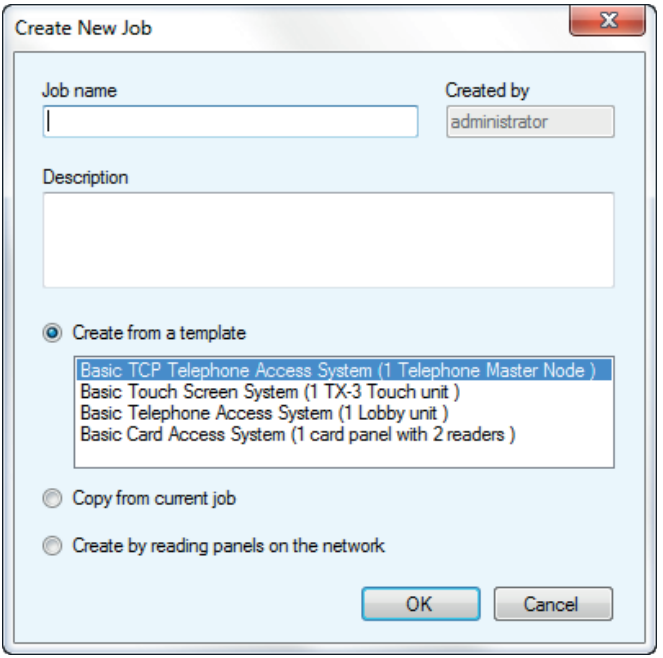
8. See Opening and Creating a Job File on page 12.

Opening and Creating a Job File

A job file lets you access the panel your are currently connected to.

To create a new job

1. Select File/New Job from the menu bar or New from the Tool bar. The Create New Job window appears.


Create New Job
Job name
Created by
administrator
Description
Create from a template
Basic TCP Telephone Access System (1 Telephone Master Node)
Basic Touch Screen System (1 TX-3 Touch unit)
Basic Telephone Access System (1 Lobby unit)
Basic Card Access System (1 card panel with 2 readers)
Copy from current job
Create by reading panels on the network
OK
Cancel

2. Enter the required parameters about the job as explained below:

   Job name. Enter the job name. This field is mandatory and must be unique.

   Description. Provide a description about the job.

   Created by. This field is read only and is set to the user when they log in.

   Create from a template. Select from an existing template. From this template you may add or modify components.

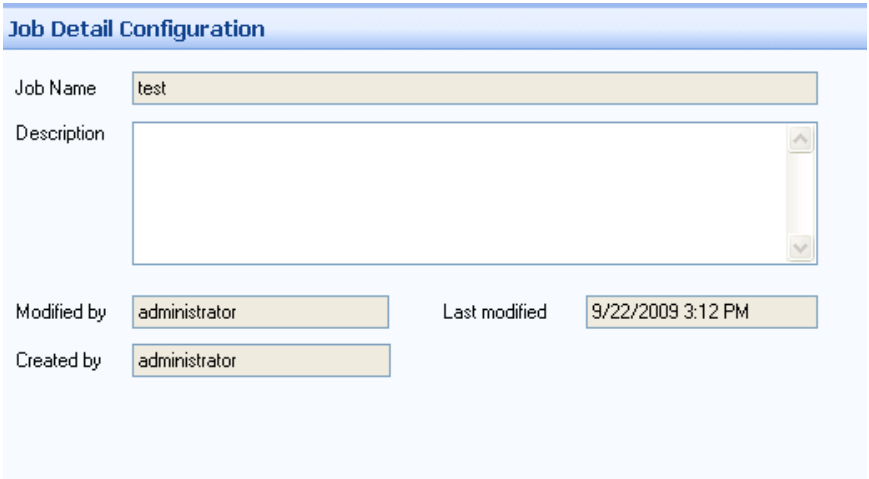
Copy from current job. Select this option to copy information from the current job. From the copy you may add or modify components.

Create by reading panels on the network. Select this option to automatically retrieve information from all of the networked panels and components. To use this option you must be connected to the network.

3. Click `OK` to create the new job and return to the configuration window, or click `Cancel` to exit without saving the changes.

To provide details about job modifications

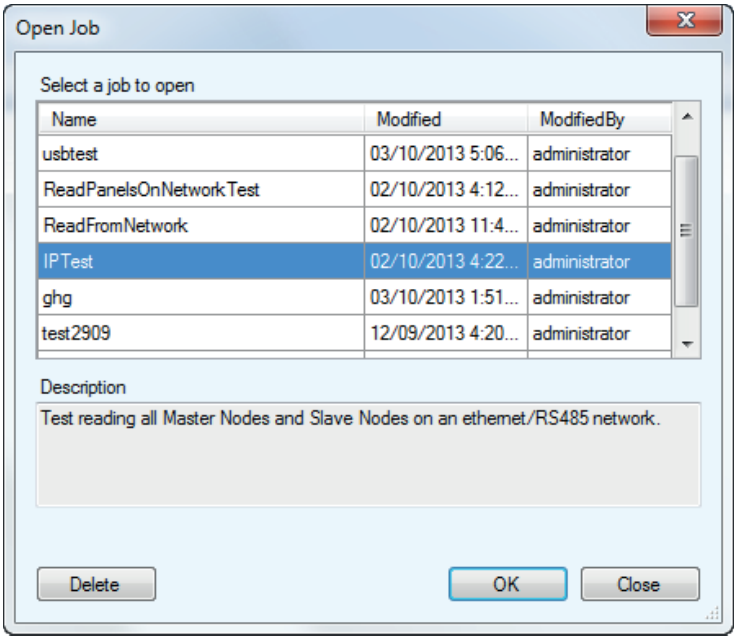
1. Select a `Job` from the left side panel. The Job Detail Configuration window appears on the right side panel.



2. Provide a description about the job in the Description text area and proceed with the rest of the configuration.

To open an existing job

1. To open an existing job, select File/Open Job from the Menu Bar. The Open Job window appears.



2. Select a job and click `OK`, or click `Close` to exit without saving the changes.

To delete an existing job

1. To delete a job permanently from the database, select the job from the list and click `Delete`. A confirmation window appears.

2. Click `Yes` to confirm the deletion or `No` to exit and return to the previous window.

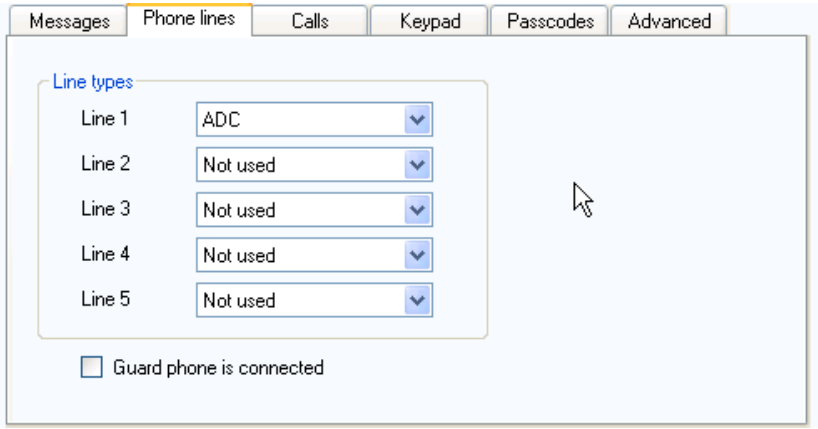
Configuring Phone Lines

Lobby Control Units, such as the TX3 Telephone Access and Touch Screen systems, can call resident using either ADC or NSL telephone lines. Up to five lines may be configured.

To configure phone lines

1. From the `Network` tree, select one of your Lobby Control Unit (that is, either a telephone access panel or a touch screen panel).

2. Select `Phone Lines` from the Panel Configuration window. The Phone lines window appears.



3. Provide information for each the following:

   Phone lines. Select either ADC or NSL.

   Phone lines/Guard phone is connected. Select this check box if a guard phone unit is currently connected to this panel.

4. Proceed with Creating a Resident Database on page 16.

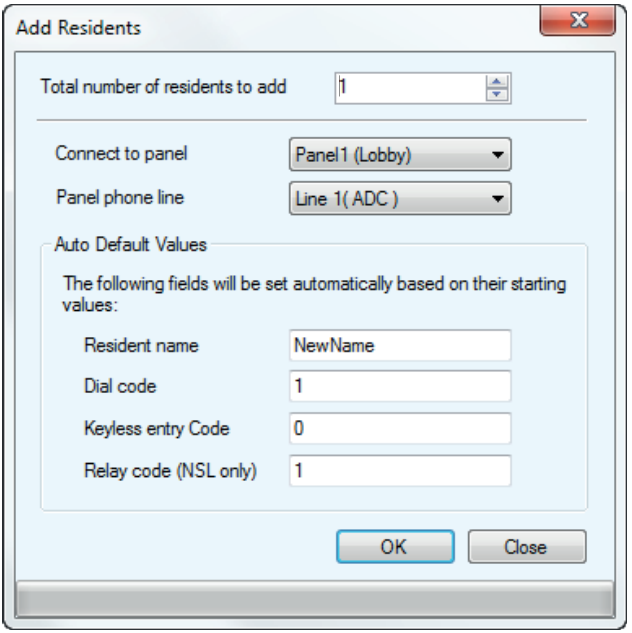
Creating a Resident Database

The Configurator lets you add residents and modify resident information. When adding a resident you must define their line type as ADC or NSL.

To add residents

1. Select `Residents` from the `Job` tree.

2. Select `Add Res` from the Menu Bar or right click on the list view and then select `Add Residents`. The Add Residents window appears.



3. Provide information for the following parameters:

   Total number of residents to add. Specify the total number of residents to add.

   Connect to panel. Select the panel to add residents to.

Panel phone line. Select the phone line on the panel the resident(s) will use.

Note: Ensure that the panel phone line is specified. If the phone line is not specified, the resident will not be added to the panel.

Resident name. Provide the resident name. If more than one resident is added at a time, a number will be attached to the names to make them unique.

Dial code. The dial code is set automatically for each resident based on the initial starting value.

Keyless entry code. Enter zero to disable the keyless entry code for the new resident(s). Enter a value other than zero to enable the keyless entry code for the new resident(s). If enabled, each resident added gets a unique keyless entry code starting from the value provided and then incrementing by one for each additional resident.

Relay code (NSL only). The NSL relay code is set automatically for each resident based on the initial starting value.

4. Click `OK` to add a resident and return to the configuration window, or click close to exit without saving the changes.

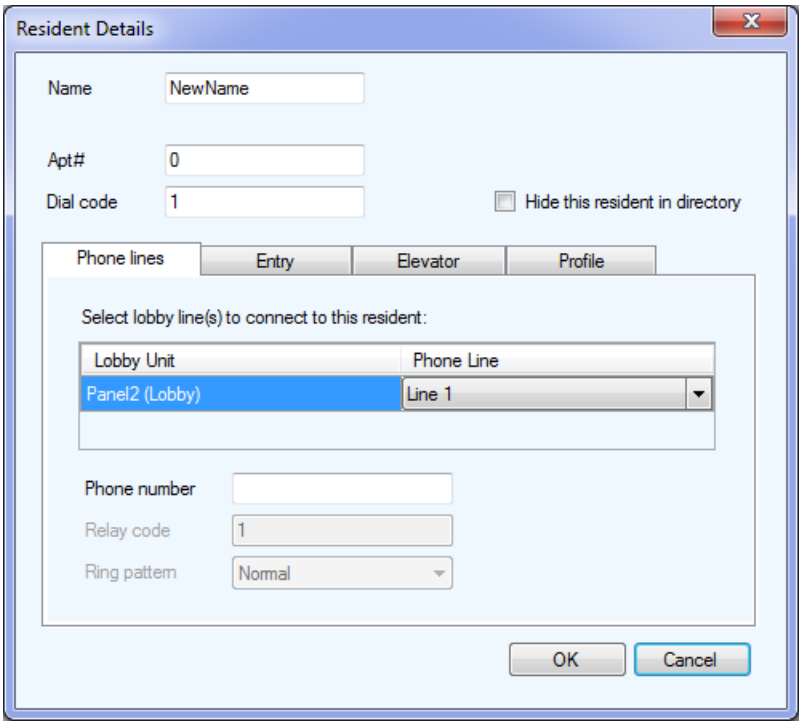
5. If multiple residents were added, edit each resident for specific details.

To edit a resident's information

1. Select `Residents` from the Job tree. The Resident Configuration window appears.

Note: You can edit multiple residents at the same time by selecting multiple residents then launching the Resident Details dialog. Some options may be disabled if their values are resident specific.

2. To edit a resident's information, click its row header on the far left or double click elsewhere on the row. You may also right click and select `Edit Resident`. The Resident Details window appears.



3. Provide the following information:

   Name. Enter the resident's name.

   Dial code. Enter the resident's dial code.

   Apt#. Enter the apartment or suite number.

   Hide from directory. Check this box to hide the resident's name from the panel directory.

4. Select `Phone lines` and provide the following information to determine which panels will have telephone access:

   Lobby Unit. Each lobby unit is shown in a list.

   Phone Line. From the list select the telephone line for each lobby unit (NSL, ADC or not connected).

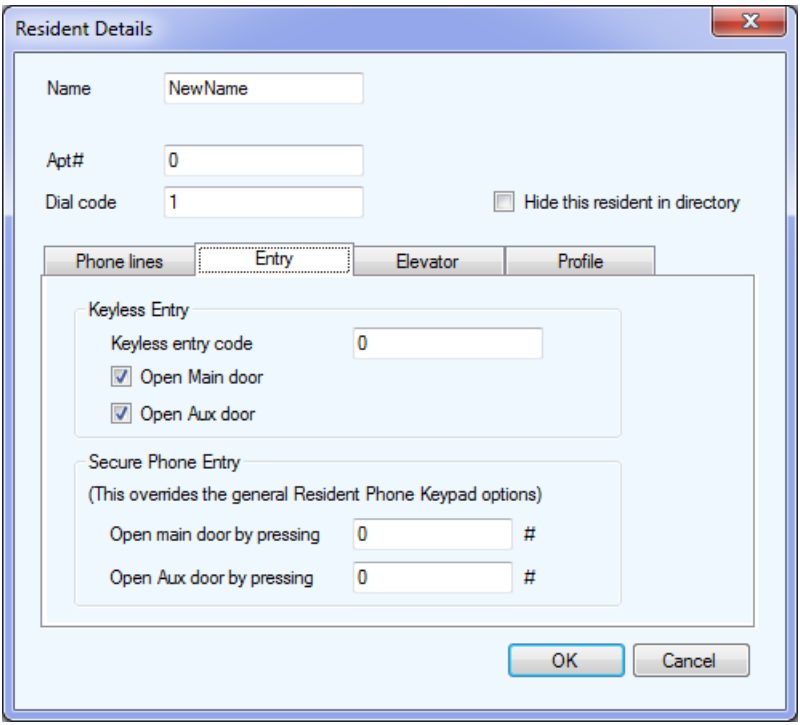
Phone number. Provide the resident's phone number. This selection is available for ADC lines only.

Relay code. Enter the NSL unit relay code associated with the resident. This selection is available for NSL lines only.

Ring pattern. Select the resident's phone ring pattern from the list. Each panel may have its own unique ring. This selection is available for NSL lines only.

Note: If the telephone entry ADC system is calling to a PBX system, input the telephone number followed by a comma (for a one second pause) and then the extension. If you need to dial 9 to obtain an outside line simply input it before the telephone number. If you are connected directly to a PBX system with a loop-start feature and you need to dial 9 to get an outside line, input 9 followed by two commas and then the number.

5. Select `Entry`. The Entry window appears.



6. Provide the following information to enable the use of resident keyless entry code:

   Keyless entry code. Enter the resident keyless entry code using a number from 1 to 999999.

   Open Main door. Selecting this box opens the main door when the resident enters their keyless entry code.

   Open Aux door. Selecting this box opens the auxiliary door when the resident enters their keyless entry code.

Note: By default both the main and auxiliary doors are selected.

Note: An external power supply is required to operate the door strikes. For more information, see LT-969.

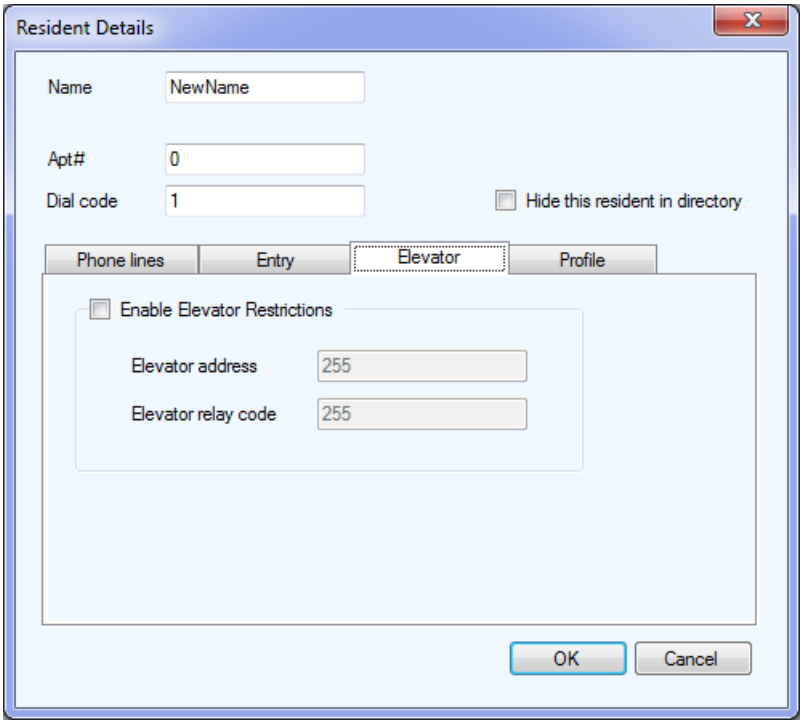
Open main door by pressing. Enter a series of up to 4 digits from 0 to 9 followed by pound (#). This code replaces the Main Door keypad button for opening the main door. This applies to the specific resident.

Note: Do not select 4 (this is used to refuse entry or disconnect) and do not select 2 (this is used for call waiting).

Open aux door by pressing. Enter a series of up to 4 digits from 0 to 9 followed by pound (#). This code will replaces the Auxiliary Door keypad button for opening the auxiliary door. This applies to the specific resident.

Note: Do not select 4 (this is used to refuse entry or disconnect) and do not select 2 (this is used for call waiting).

7. Select `Elevator`. The Elevator window appears.



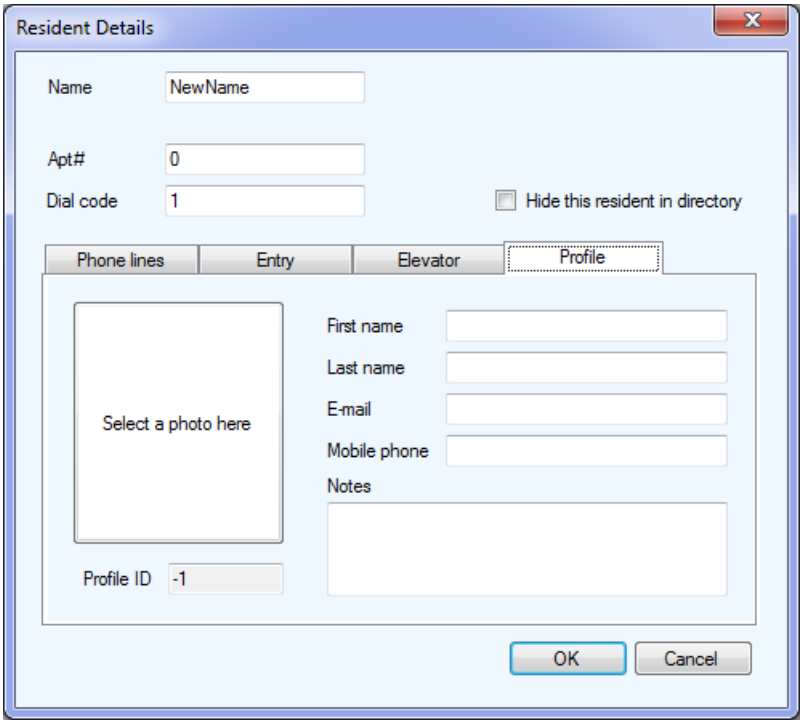
8. Provide the following information to restrict elevator use:

Enable Elevator Restriction. Select this box to enable elevator restrictions**.**

Elevator address. Provide the network address of the elevator restriction unit that the resident will be using.

Elevator relay code. Provide the elevator relay code for the resident's floor.

9. Select `Profile`. The Profile window appears.



10. Provide the following information:

Select a photo. Select the resident's photo from a directory.

First name. Enter the resident's first name.

Last name. Enter the resident's last name.

email. Enter the resident's email.

Mobile phone. Enter the resident's mobile phone number.

Notes. Provide additional notes.

Profile ID. Provide a profile ID.

11. Click OK to add a resident and return to the configuration window, or click cancel to exit without saving the changes.

To delete one or more residents

1. Right click one or more residents and then select `Delete`. Pressing `Del key` will achieve the same purpose.

2. Click `Yes` to delete a resident and return to the configuration window, or click `No` to exit without saving the changes.

To find a resident

1. Enter the person's name in the Find box. The list automatically refreshes as you type. To refine the search, select a parameter from the column list.

2. Press the `Clear` button to restore the list back to its full state.

Sending a Job

Once panel connectivity is established, you can send the current job configuration to the panel.

To send to a single panel

1. Right click on a panel in the job tree and select `Send to Single Panel`.

To send to all panels

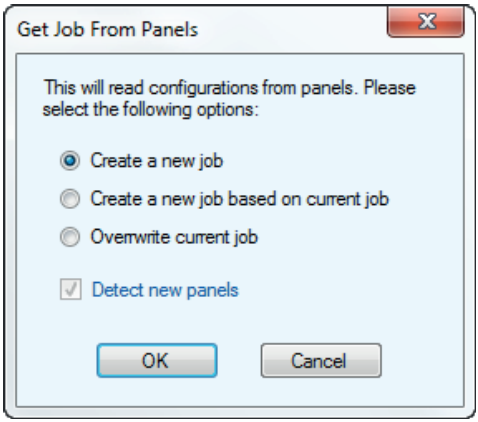
1. Click `Send` from the Menu Bar.

Getting a Job

A Job can be created by reading the configuration information from the panel.

To get a job

1. Select `Get` from the Tool Bar. The Get Job from Panels window appears.


Get Job From Panels
This will read configurations from panels. Please select the following options:
Create a new job
Create a new job based on current job
Overwrite current job
Detect new panels
OK
Cancel

2. Select the required parameters as explained below:

   Create a new job. Scans the network for panels and uses their configuration information to create a new job. The Detect new panels check box is automatically checked.

   Create a new job based on current job. Copies the current job and creates a new job based on the existing job.

   Overwrite current job. The most recent configuration overwrites the existing information panel information.

   Detect new panels. If selected the software scans the network for any new panels and reads their configurations.

3. Click OK to create a job and return to the configuration window, or click `Cancel` to exit without saving the changes.

Troubleshooting

Unable to connect to USB device. Please unplug and plug in the USB cable again

Common causes: Users unplug the USB cable when the PC is still communicating with the panel or the USB driver is not installed properly.

Solution: Unplug and then plug in the USB cable again. If not working, restart the application. If still not working, re-install the application.

Panel xxxxxxx (address x) is a wrong controller type

Common causes: The panel type or model the user is trying to connect to is different from the configuration.

Solution: Check the actual model of the panel (e.g. TX3-2000-8 8x20 LCD). Delete the incorrect panel item from the configurator tree then add the correct panel item. The controller type depends on display type and the name capacity of the panel.

Panel xxxxxxx (address) not responding

Common causes: Incorrect address DIP switch setting on the panel's main board.

Solution: Check the DIP switches address setting of all panels and set them correctly. Make sure the addresses match the addresses on the configurator tree. Try to connect again.

Resident data does not get programmed to the panel even after the job is sent.

Common causes: No panel phone line is assigned to the resident.

Solution: Edit resident details. Under "Select lobby line(s) to connect to this resident", select a phone line on the drop down list.

Cannot communicate with a TX3 system using a TCP/IP connection.

Common causes: Another program is using the same ports that the TX3 system needs to communicate.

Solutions: Find the program that is using TCP/IP ports 14000, 14001, 14002, and 14003 and then reconfigure it to use different ports. The TX3 system must use ports 14000-14003.